

\$31.80 Estimated tot Session cost 0.701 DialUnits

File 345:Inpadoc/Fam.& Legal Stat 1999/UD=9927  
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S1	1	PN=JP 63125794
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(1/9/1)  
DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat  
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8132884  
Basic Patent (No,Kind,Date): JP 63125794 A2 880528 <No. of Patents: 001>

PATENT FAMILY:

JAPAN (JP)

Patent (No,Kind,Date): JP 63125794 A2 880528  
DEVICE FOR TRIMMING PREVIOUSLY ASSEMBLED VENETIAN BLIND IN  
PREDETERMINED LENGTH (English)  
Patent Assignee: T YOO IND CO LTD  
Author (Inventor): CHIYUNGU CHIEN FUANGU  
Priority (No,Kind,Date): JP 86268780 A 861113  
Applic (No,Kind,Date): JP 86268780 A 861113  
IPC: \* E06B-009/266  
Language of Document: Japanese

?s pn=jp	55011774	
S2	1	PN=JP 55011774
?t s2/9/1		

2/9/1

DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat  
(c) 1999 European Patent Office. All rts. reserv.

2970115  
Basic Patent (No,Kind,Date): JP 55011774 A2 800126 <No. of Patents: 002>

PATENT FAMILY:

JAPAN (JP)

Patent (No,Kind,Date): JP 55011774 A2 800126  
MANUAL ROLL SCREEN CUTTER (English)  
Patent Assignee: METAKO KIGYO KK  
Author (Inventor): TSUCHIDA OSAMU  
Priority (No,Kind,Date): JP 7885422 A 780713  
Applic (No,Kind,Date): JP 7885422 A 780713  
IPC: \* B26D-003/16; B26D-001/30; E06B-009/10  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 82005677 B4 820201  
Priority (No,Kind,Date): JP 7885422 A 780713  
Applic (No,Kind,Date): JP 7885422 A 780713  
IPC: \* B26D-003/16; B26D-009/00  
Language of Document: Japanese

?s pn=jp	62153482	
S3	1	PN=JP 62153482
?t s3/9/1		

3/9/1

DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat  
(c) 1999 European Patent Office. All rts. reserv.

6129793  
Basic Patent (No,Kind,Date): JP 62148114 A2 870702 <No. of Patents: 011>

PATENT FAMILY:

JAPAN (JP)

Patent (No,Kind,Date): JP 62148114 A2 870702  
 APPARATUS FOR CUTTING SLAT OF BLIND (English)  
 Patent Assignee: TACHIKAWA BLIND MFG  
 Author (Inventor): TSUCHIDA KAZUO  
 Priority (No,Kind,Date): JP 85291195 A 851224  
 Applic (No,Kind,Date): JP 85291195 A 851224  
 IPC: \* B23D-036/00

JAPIO Reference No: ; 110377M000099

Language of Document: Japanese

Patent (No,Kind,Date): JP 62148115 A2 870702  
 APPARATUS FOR CUTTING SLAT OF BLIND (English)  
 Patent Assignee: TACHIKAWA BLIND MFG  
 Author (Inventor): TSUCHIDA KAZUO  
 Priority (No,Kind,Date): JP 85291196 A 851224  
 Applic (No,Kind,Date): JP 85291196 A 851224  
 IPC: \* B23D-036/00; B23D-033/00

JAPIO Reference No: ; 110377M000099

Language of Document: Japanese

Patent (No,Kind,Date): JP 62148116 A2 870702  
 DEVICE FOR CUTTING OFF SLAT OF BLIND (English)  
 Patent Assignee: TACHIKAWA BLIND MFG  
 Author (Inventor): TSUCHIDA KAZUO  
 Priority (No,Kind,Date): JP 85291197 A 851224  
 Applic (No,Kind,Date): JP 85291197 A 851224  
 IPC: \* B23D-036/00; B23D-033/02

JAPIO Reference No: ; 110377M000099

Language of Document: Japanese

Patent (No,Kind,Date): JP 62153482 A2 870708 \*

SLAT CUTTER OF BLIND (English)

Patent Assignee: TACHIKAWA BLIND MFG \*

Author (Inventor): TSUCHIDA KAZUO \*

Priority (No,Kind,Date): JP 85294696 A 851226 \*

Applic (No,Kind,Date): JP 85294696 A 851226 \*

IPC: \* E06B-009/266

Language of Document: Japanese

Patent (No,Kind,Date): JP 62153483 A2 870708 \*

SLAT CUTTER OF BLIND (English)

Patent Assignee: TACHIKAWA BLIND MFG \*

Author (Inventor): TSUCHIDA KAZUO \*

Priority (No,Kind,Date): JP 85294697 A 851226 \*

Applic (No,Kind,Date): JP 85294697 A 851226 \*

IPC: \* E06B-009/266

Language of Document: Japanese

Patent (No,Kind,Date): JP 62157798 A2 870713

SLAT CUTTER FOR BLIND (English)

Patent Assignee: TACHIKAWA BLIND MFG

Author (Inventor): TSUCHIDA KAZUO

Priority (No,Kind,Date): JP 85299167 A 851227

Applic (No,Kind,Date): JP 85299167 A 851227

IPC: \* B26D-009/00; B26F-001/00

Language of Document: Japanese

Patent (No,Kind,Date): JP 90017291 B4 900420

Patent Assignee: TACHIKAWA BLIND MFG

Author (Inventor): TSUCHIDA KAZUO

Priority (No,Kind,Date): JP 85291197 A 851224

Applic (No,Kind,Date): JP 85291197 A 851224

IPC: \* B23D-036/00; B65H-020/02

Language of Document: Japanese

Patent (No,Kind,Date): JP 93048357 B4 930721

Patent Assignee: TACHIKAWA BLIND MFG

Author (Inventor): TSUCHIDA KAZUO

Priority (No,Kind,Date): JP 85294696 A 851226

Applic (No,Kind,Date): JP 85294696 A 851226

IPC: \* E06B-009/266; B26D-007/28

Language of Document: Japanese

Patent (No,Kind,Date): JP 93083359 B4 931125

Patent Assignee: TACHIKAWA BLIND MFG

Author (Inventor): TSUCHIDA KAZUO  
Priority (No,Kind,Date): JP 85299167 A 851227  
Applic (No,Kind,Date): JP 85299167 A 851227  
IPC: \* B26D-009/00; B26F-001/00  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 94031496 B4 940427  
Priority (No,Kind,Date): JP 85294697 A 851226  
Applic (No,Kind,Date): JP 85294697 A 851226  
IPC: \* E06B-009/266; B21D-028/26  
Derwent WPI Acc No: \* G 89-007079  
Language of Document: Japanese

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 4790226 A 881213  
APPARATUS FOR CUTTING BLIND SLATS (English)  
Patent Assignee: TACHIKAWA BLIND MFG (JP)  
Author (Inventor): TSUCHIDA KAZUO (JP)  
Priority (No,Kind,Date): JP 85291195 A 851224; JP 85291196 A 851224; JP 85291197 A 851224; JP 85294696 A 851226; JP 85294697 A 851226; JP 85299167 A 851227  
Applic (No,Kind,Date): US 906164 A 860910  
National Class: \* 083208000; 083040000; 083052000; 083255000; 083926000R; 029245000  
IPC: \* B23P-023/00; B23D-023/00  
Derwent WPI Acc No: ; G 89-007079  
Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):

US 4790226	P	851224	US AA	PRIORITY (PATENT)	
			JP 85291195	A 851224	
US 4790226	P	851224	US AA	PRIORITY (PATENT)	
			JP 85291196	A 851224	
US 4790226	P	851224	US AA	PRIORITY (PATENT)	
			JP 85291197	A 851224	
US 4790226	P	851226	US AA	PRIORITY (PATENT)	*
			JP 85294696	A 851226	
US 4790226	P	851226	US AA	PRIORITY (PATENT)	*
			JP 85294697	A 851226	
US 4790226	P	851227	US AA	PRIORITY (PATENT)	
			JP 85299167	A 851227	
US 4790226	P	860910	US AE	APPLICATION DATA (PATENT)	
			(APPL. DATA (PATENT))		
			US 906164	A 860910	
US 4790226	P	860910	US AS02	ASSIGNMENT OF ASSIGNOR'S	
			INTEREST		
			TACHIKAWA CORPORATION, 30-7, YOYOGI 4-CHOME,		
			SHIBUYA-KU, TOKYO, JAPAN ; TSUCHIDA, KAZUO :		
			19860828		

US 4790226 P 881213 US A PATENT

?s pn=jp 62153483

S4 1 PN=JP 62153483

?t s4/9/1

4/9/1

DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat

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6129793

Basic Patent (No,Kind,Date): JP 62148114 A2 870702 <No. of Patents: 011>

PATENT FAMILY:

JAPAN (JP)

Patent (No,Kind,Date): JP 62148114 A2 870702  
APPARATUS FOR CUTTING SLAT OF BLIND (English)  
Patent Assignee: TACHIKAWA BLIND MFG  
Author (Inventor): TSUCHIDA KAZUO  
Priority (No,Kind,Date): JP 85291195 A 851224

Applic (No,Kind,Date): JP 85291195 A 851224  
 IPC: \* B23D-036/00  
 JAPIO Reference No: ; 110377M000099  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 62148115 A2 870702  
 APPARATUS FOR CUTTING SLAT OF BLIND (English)  
 Patent Assignee: TACHIKAWA BLIND MFG  
 Author (Inventor): TSUCHIDA KAZUO  
 Priority (No,Kind,Date): JP 85291196 A 851224  
 Applic (No,Kind,Date): JP 85291196 A 851224  
 IPC: \* B23D-036/00; B23D-033/00  
 JAPIO Reference No: ; 110377M000099  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 62148116 A2 870702  
 DEVICE FOR CUTTING OFF SLAT OF BLIND (English)  
 Patent Assignee: TACHIKAWA BLIND MFG  
 Author (Inventor): TSUCHIDA KAZUO  
 Priority (No,Kind,Date): JP 85291197 A 851224  
 Applic (No,Kind,Date): JP 85291197 A 851224  
 IPC: \* B23D-036/00; B23D-033/02  
 JAPIO Reference No: ; 110377M000099  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 62153482 A2 870708  
 SLAT CUTTER OF BLIND (English)  
 Patent Assignee: TACHIKAWA BLIND MFG  
 Author (Inventor): TSUCHIDA KAZUO  
 Priority (No,Kind,Date): JP 85294696 A 851226  
 Applic (No,Kind,Date): JP 85294696 A 851226  
 IPC: \* E06B-009/266  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 62153483 A2 870708  
 SLAT CUTTER OF BLIND (English)  
 Patent Assignee: TACHIKAWA BLIND MFG  
 Author (Inventor): TSUCHIDA KAZUO  
 Priority (No,Kind,Date): JP 85294697 A 851226  
 Applic (No,Kind,Date): JP 85294697 A 851226  
 IPC: \* E06B-009/266  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 62157798 A2 870713  
 SLAT CUTTER FOR BLIND (English)  
 Patent Assignee: TACHIKAWA BLIND MFG  
 Author (Inventor): TSUCHIDA KAZUO  
 Priority (No,Kind,Date): JP 85299167 A 851227  
 Applic (No,Kind,Date): JP 85299167 A 851227  
 IPC: \* B26D-009/00; B26F-001/00  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 90017291 B4 900420  
 Patent Assignee: TACHIKAWA BLIND MFG  
 Author (Inventor): TSUCHIDA KAZUO  
 Priority (No,Kind,Date): JP 85291197 A 851224  
 Applic (No,Kind,Date): JP 85291197 A 851224  
 IPC: \* B23D-036/00; B65H-020/02  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 93048357 B4 930721  
 Patent Assignee: TACHIKAWA BLIND MFG  
 Author (Inventor): TSUCHIDA KAZUO  
 Priority (No,Kind,Date): JP 85294696 A 851226  
 Applic (No,Kind,Date): JP 85294696 A 851226  
 IPC: \* E06B-009/266; B26D-007/28  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 93083359 B4 931125  
 Patent Assignee: TACHIKAWA BLIND MFG  
 Author (Inventor): TSUCHIDA KAZUO  
 Priority (No,Kind,Date): JP 85299167 A 851227  
 Applic (No,Kind,Date): JP 85299167 A 851227  
 IPC: \* B26D-009/00; B26F-001/00  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 94031496 B4 940427

Priority (No,Kind,Date): JP 85294697 A 851226  
Applic (No,Kind,Date): JP 85294697 A 851226  
IPC: \* E06B-009/266; B21D-028/26  
Derwent WPI Acc No: \* G 89-007079  
Language of Document: Japanese

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 4790226 A 881213  
APPARATUS FOR CUTTING BLIND SLATS (English)  
Patent Assignee: TACHIKAWA BLIND MFG (JP)  
Author (Inventor): TSUCHIDA KAZUO (JP)  
Priority (No,Kind,Date): JP 85291195 A 851224; JP 85291196 A  
851224; JP 85291197 A 851224; JP 85294696 A 851226; JP 85294697  
A 851226; JP 85299167 A 851227  
Applic (No,Kind,Date): US 906164 A 860910  
National Class: \* 083208000; 083040000; 083052000; 083255000;  
083926000R; 029245000  
IPC: \* B23P-023/00; B23D-023/00  
Derwent WPI Acc No: ; G 89-007079  
Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):

US 4790226	P	851224	US AA	PRIORITY (PATENT)
			JP 85291195	A 851224
US 4790226	P	851224	US AA	PRIORITY (PATENT)
			JP 85291196	A 851224
US 4790226	P	851224	US AA	PRIORITY (PATENT)
			JP 85291197	A 851224
US 4790226	P	851226	US AA	PRIORITY (PATENT)
			JP 85294696	A 851226
US 4790226	P	851226	US AA	PRIORITY (PATENT)
			JP 85294697	A 851226
US 4790226	P	851227	US AA	PRIORITY (PATENT)
			JP 85299167	A 851227
US 4790226	P	860910	US AE	APPLICATION DATA (PATENT)
			(APPL. DATA (PATENT))	
			US 906164 A	860910
US 4790226	P	860910	US AS02	ASSIGNMENT OF ASSIGNOR'S
			INTEREST	
			TACHIKAWA CORPORATION, 30-7, YOYOGI 4-CHOME,	
			SHIBUYA-KU, TOKYO, JAPAN ; TSUCHIDA, KAZUO :	
			19860828	
US 4790226	P	881213	US A	PATENT

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\$37.00 4 Type(s) in Format 9  
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\$38.79 Estimated cost File345  
\$1.60 TELNET  
\$40.39 Estimated cost this search  
\$72.19 Estimated total session cost 1.099 DialUnits

File 340:CLAIMS(R)/US Patent 1950-99/Jul 13

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**\*File 340: Price increase effective June 1, 1999. U.S. Provisional**  
Applications now searchable. See HELP NEWS 340 for more information.

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1900625 2858535

**M/APPARATUS FOR CUTTING BLIND SLATS**

Document Type: UTILITY

Inventors: TSUCHIDA KAZUO (JP)

Assignee: TACHIKAWA CORP JP

	Patent Number	Issue Date	Applic Number	Applic Date
Patent:	<b>US 4790226</b>	19881213	US 86906164	19860910
	(Cited in 005 later patents)			
Priority Applic:			JP 85291195	19851224
			JP 85291196	19851224
			JP 85291197	19851224
			JP 85294696	19851226
			JP 85294697	19851226
			JP 85299167	19851227

Calculated Expiration: 20060910

**Abstract:**

Disclosed is an apparatus for cutting blind slats, including a conveying device for sequentially conveying a slat material and a cutting device turned on and off in synchronism with the conveyance of the slat material so as to form slats of a desired length, wherein the improvement is characterized by comprising: an input device having means for entering the length of a slat; a control device for converting the output signal of the input device to pulse signals corresponding to the slat length entered and outputting them; and a motor rotated on the basis of the pulse signals output from the control device so as to convey the slat material by predetermined lengths.

**Exemplary Claim:**

1. An apparatus for cutting blind slats, including: a conveying device for sequentially conveying a slat material; and a cutting device turned on and off in synchronism with the conveyance of said slat material so as to produce slats of a desired length, an input device having means for entering the length of a slat and for entering a desired height of a blind; a control device having means for converting the output signal of said input device to pulse signals corresponding to the slat length entered and outputting them; said control device having means for calculating the number of slats required for a set of blinds on the basis of said input height of the blind and the width of a slat and means for outputting said pulse signals intermittently in a number which corresponds to said number of slats; and a motor rotated on the basis of said pulse signals output from said control device so as to convey said slat material by predetermined lengths.

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